

# **Planning Resources**

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## **ASFPM'S MISSION**

Mitigate the losses, costs, and human suffering caused by flooding.

and...





Protect the natural and beneficial functions of floodplains.



## What does ASFPM do?

- ✓ National and State Policy Issues
- ✓ National CFM® Certification



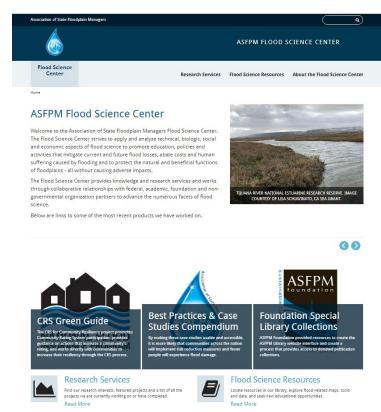
- ✓ State Chapter Services & Support
- ✓ No Adverse Impact (NAI)
- ✓ Conferences & Events
- ✓ Training (ASFPM Webinar Series)
- ✓ Flood Barrier Testing & Certification
- ✓ Research (ASFPM Flood Science Center) -Develop Tools, Publications, & Resources for State and Local Floodplain Managers



# Flood Science Center Webpage & Library Portal

## Features:

- Listing of new, ongoing, and completed projects
- Able to download completed reports, use online guides (i.e., CRS Green Guide)
- Includes library portal with curated special collections
  - Compendium of case studies
  - Floodplain Managers Notebook
- Great resource for practicing floodplain managers



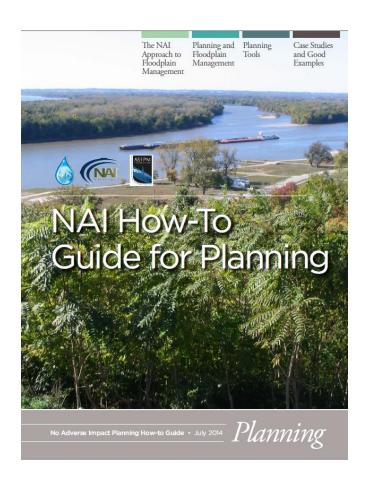
www.floodsciencecenter.org



## **NAI How-To Guides**

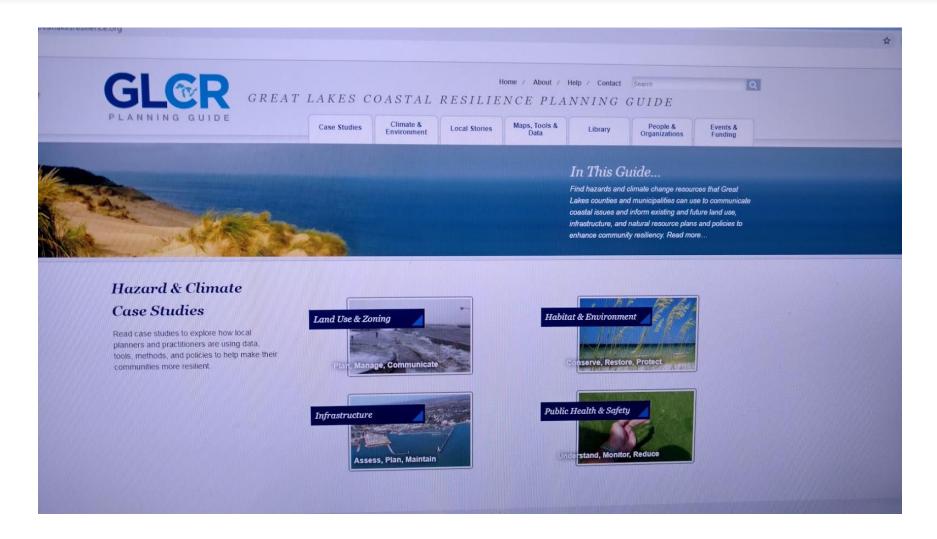
## Features:

- 5 NAI level tools in each guide
- Case studies and "How-To" information
- Based on 7 building blocks in NAI Toolkit. Mitigation, Infrastructure, Planning, Education / Outreach, Mapping, Regulations and Emergency Services





## www.coastalresilience.org



Great Lakes Coastal Analysis & Mapping

Wind Surge Study

Coastal Hazard Analysis & Mapping

Great Lakes Flood Zones Overview

Technical Resources

Outreach

Fact Sheets

Newsletters

Presentations

Events

Discovery Reports

Additional Resources

**Contact Information** 

Site Map

Search for:

Search

Home > Great Lakes Coastal Analysis & Mapping > Technical Resources

#### Technical Resources

#### **Project Data Centers**

- C-STORM [cstormdb.erdc.dren.mil] Basin wave and storm surge
  database platform, for access to wind, waves, pressure, ice, and water
  level data at near-shore "Save Points"

  Note: This site will start with Lake Michigan data, followed by Lake St. Clair and
  Lake Erie data.
- U.S. Army Corps of Engineers Great Lakes Oblique Photo Viewer [greatlakes.usace.army.mil]
- LiDAR [csc.noaa.gov] High-resolution bathymetric and topographic data housed at NOAA's Coastal Service Center
- Great Lakes Shoreline Geodatabase (.gdb) [2.4 MB.zip]
- CSHORE [sites.google.com] CSHORE is a one-dimensional time-averaged nearshore profile model for predictions of wave height, water level, waveinduced steady currents, and profile evolution.



RSS Feed

Great Lakes Coast RSS

Great Lakes Coastal Flood Study, 2012 Federal Inter-Agency Initiative:

Guidance Documents and Repo

• Statistical Analysis and Sto Clair [3.68 MB.pdf], http://www.greatlakescoast.org

Norberto C. Nadal-Caraballo, Jeffrey A. Melby, and Bruce A. Ebersole, U.S. Army Corps of Engineers (Final Published Report, September 2012)

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July 2012 (1)

June 2012 (1)

May 2012 (2)

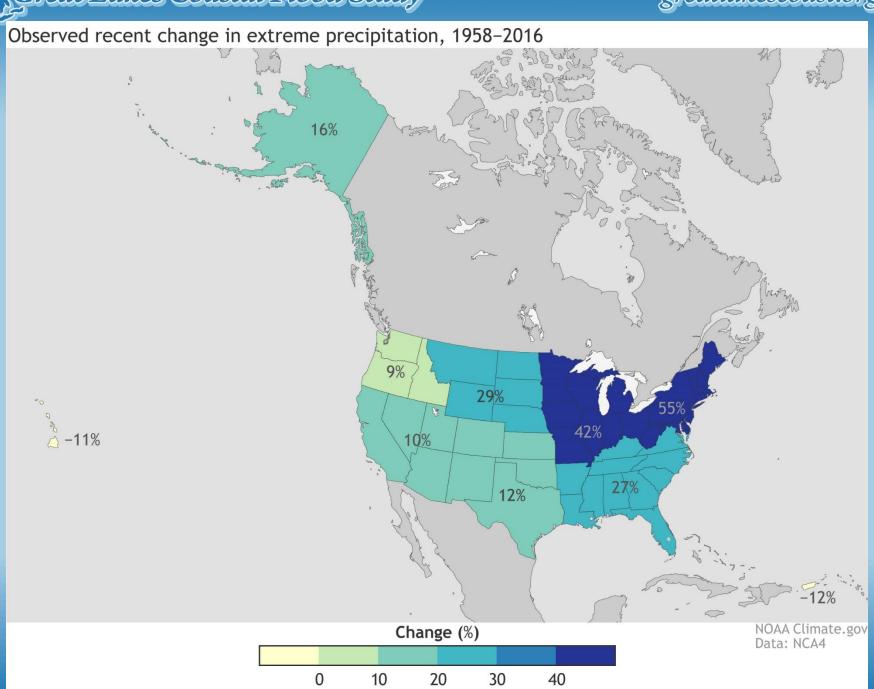
April 2012 (3)

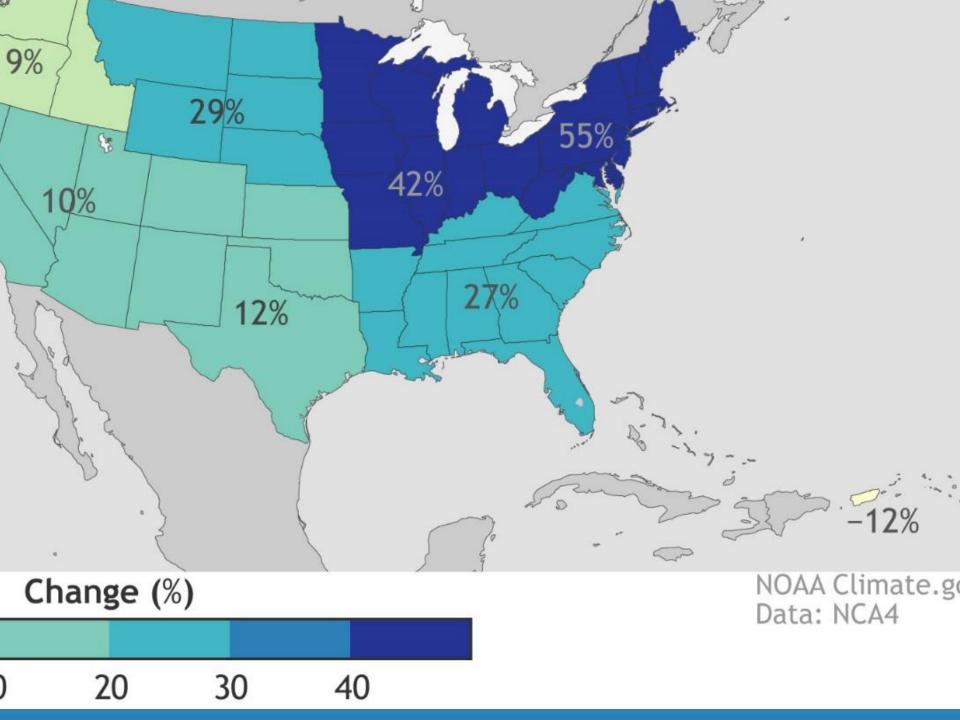
## **Great Lakes Coastal Flood Study Summary**

- Technically superior methodology
- Detailed wave and surge modeling for about 150 storms per lake
- Does not address future conditions
- Does not address long term coastal erosion
- Does not address damages associated with ice



Great Lakes Coastal Flood Study







## Thank You

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Resources available at:

<u>www.floods.org</u>

<u>www.coastalresilience.org</u>

<u>www.greatlakescoast.org</u>